

IN THE CLAIMS

Claims 1-276. (canceled)

277. (new) Apparatus for placement in a patient, comprising:
circuitry, which is adapted to be placed in the patient;
a lead wire; and
an electrically-conductive connector, which is soldered to the circuitry and
which is mechanically coupled to the lead wire so as to be electrically coupled thereto.

278. (new) The apparatus according to claim 277, wherein the connector is crimped to
the lead wire, so as to be mechanically coupled thereto.

279. (new) The apparatus according to claim 278, wherein the connector comprises a
hollow tube, wherein a portion of the lead wire is disposed within the hollow tube, and
wherein the hollow tube is crimped to the portion of the lead wire.

280. (new) The apparatus according to claim 277, wherein the lead wire comprises
MP35N.

281. (new) The apparatus according to claim 277, wherein the lead wire comprises
platinum/iridium.

282. (new) The apparatus according to claim 277, wherein the lead wire comprises 1-
60% iron by weight.

283. (new) The apparatus according to claim 277, wherein the lead wire comprises 1-
40% iron by weight.

284. (new) The apparatus according to claim 277, wherein the lead wire comprises 1-
20% iron by weight.

285. (new) The apparatus according to claim 277, wherein the connector is coated with
gold.

286. (new) The apparatus according to claim 277, wherein the connector has been
treated with phosphoric acid.

287. (new) The apparatus according to claim 277, wherein the circuitry is adapted to be
implanted in the patient.

288. (new) The apparatus according to claim 277, wherein the circuitry is adapted to be incorporated in a catheter.

289. (new) The apparatus according to claim 277, wherein the lead wire comprises a silver core.

290. (new) The apparatus according to claim 277, wherein the connector comprises stainless steel.

291. (new) The apparatus according to claim 277, wherein the circuitry comprises a sensor.

292. (new) The apparatus according to claim 291, wherein the sensor comprises a pressure sensor.

293. (new) The apparatus according to claim 291, wherein the sensor comprises a chemical sensor.

294. (new) The apparatus according to claim 291, wherein the sensor comprises an electrode, adapted to sense electrical activity in tissue of the patient where the apparatus is placed.

295. (new) The apparatus according to claim 291, wherein the sensor comprises a temperature sensor.

296. (new) The apparatus according to claim 291, wherein the sensor comprises a flow sensor, adapted to sense a flow of blood in a vicinity of the apparatus.

297. (new) The apparatus according to claim 277, wherein the circuitry comprises an active element.

298. (new) The apparatus according to claim 297, wherein the active element comprises a stimulating electrode.

299. (new) The apparatus according to claim 297, wherein the active element comprises a light source adapted to facilitate photodynamic therapy.

300. (new) The apparatus according to claim 297, wherein the active element comprises an electroactive polymer.

301. (new) The apparatus according to claim 297, wherein the active element comprises a mechanical actuator.